

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Application Number	09/595776	Docket Number	MIPS.0166-00-US
Filed	06/16/00	Group Art Unit	2183
Examiner	DAVID J. HUISMAN	Customer No.	23669
Application Title	METHODS AND APPARATUS FOR PREDICTING DATA CACHE INSTRUCTION OUTCOME IN PIPELINED MULTITHREADED PROCESSORS FOR IMPROVED INSTRUCTION FETCHING AND DISPATCH		
First Named Inventor	ENRIQUE MUSOLL		

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Technology Center 2100

TRANSMITTAL FOR INFORMATION DISCLOSURE STATEMENT SUBMITTED UNDER 37 CFR 1.97(D) AND 1.97 (E)(2)

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Attached hereto is Form PTO-1449 listing documents believed relevant to the subject application. It is respectfully requested that the examiner review the information disclosed herein in detail, independently evaluate each item carefully in the consideration of the pending claims and return an initialed copy of each form to the undersigned.

This disclosure statement should not be construed as a representation that a search has been made, that no other material information as defined in 37 C.F.R. § 1.56(a) exists, or as an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b) or is available as a reference under 35 U.S.C. § 102 *et seq.* Applicant reserves the right to swear behind or otherwise disprove the allege "prior" nature of any art cited should the facts support and the situation warrant such an action.

It is believed that this disclosure complies with the requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98, and the Manual of Patent Examining Procedures § 609. If for some reason the examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

The enclosed documents may have markings thereon. No significance is intended to be attached to the markings.

No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement. The information cited in the information disclosure statement was cited by the United States Patent Office in one or more applications that are related to the present application.

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Appl. No. 09/595776 (Docket: MIPS.0166-00-US)
Information Disclosure Statement Transmittal dated 9/7/2004

Also attached hereto is a check in the amount of **\$180.00** for the fee set forth in 37 CFR 1.17(p).

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Respectfully submitted,
HUFFMAN PATENT GROUP, LLC

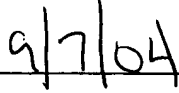
By


RICHARD K. HUFFMAN

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				Application Number	09/595776	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	06/16/00	
				First Named Inventor	ENRIQUE MUSOLL	
				Group Art Unit	2183	
				Examiner Name	DAVID J. HUISMAN	
				Attorney Docket Number	MIPS.0166-00-US	
Sheet	1	of	3			

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-4200927	04/29/1980	Hughes et al.	
		US-6535905	03/18/2003	Kalafatis et al.	
		US-			
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FOREIGN PATENT DOCUMENTS

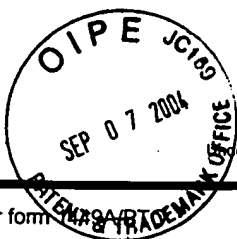
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/595776
Sheet 2 of 3				Filing Date	06/16/00
				First Named Inventor	ENRIQUE MUSOLL
				Group Art Unit	2183
				Examiner Name	DAVID J. HUISMAN
				Attorney Docket Number	MIPS.0166-00-Technology Center 2100

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	YAMAMOTO, WAYNE. <i>An Analysis of Multistreamed, Superscalar Processor Architectures</i> . University of California Santa Barbara Dissertation. December 1995. Santa Barbara, US.	
	AB	YAMAMOTO et al. "Increasing Superscalar Performance Through Multistreaming." <i>Parallel Architectures and Compilation Techniques (PACT '95)</i> . 1995	
	AC	<i>The PowerPC Architecture: A Specification for a New Family of RISC Processors</i> . 2 nd Ed. May 1994. pp. 70-72. Morgan Kaufmann. San Francisco, US.	
	AD	<i>MC68020 32-Bit Microprocessor User's Manual</i> . 3 rd Ed.. 1989. pp. 3-125, 3-126, and 3-127. Prentice Hall, NJ, US.	
	AE	POTEL, M. J. "Real-Time Playback in Animation Systems." <i>Proceedings of the 4th Annual Conference on Computer Graphics and Interactive Techniques</i> . 1977. pp. 72-77. San Jose, CA, US.	
	AF	<i>ARM Architecture Reference Manual</i> . 1996. pp. 3-41, 3-42, 3-43, 3-67, and 3-68. Prentice Hall, NJ, US.	
	AG	<i>ESA/390 Principles of Operation</i> . IBM Online Publications Center Reference Number SA22-7201-08. Table of Contents and paras. 7.5.31 and 7.5.70. IBM Corporation. Boulder, CO, US.	
	AH	<i>MC88110 Second Generation RISC Microprocessor User's Manual</i> . 1991. pp. 10-66, 10-67, and 10-71. Motorola, Inc.	
	AI	DIEFENDORFF, KEITH ET AL. "Organization of the Motorola 88110 Superscalar RISC Microprocessor." <i>IEEE Journal of Microelectronics</i> . April 1992. pp. 40-63. Vol. 12, No. 2. IEEE. New York, NY, US.	
	AJ	KANE, GERRY. <i>PA-RISC 2.0 Architecture</i> . 1996, pp. 7-106 and 7-107. Prentice Hall. NJ, US.	
	AK	DIEFENDORFF, KEITH ET AL. "Altivec Extension to PowerPC Accelerates Media Processing." <i>IEEE Journal of Microelectronics</i> . Vol. 20, No. 2 (2000): pp. 85-95	
	AL	GRUNEWALD, WINFRIED ET AL. "Towards Extremely Fast Context Switching in a Block Multithreaded Processor." <i>Proceedings of EUROMICRO 22</i> , 1996. pp. 592-599	
	AM	BRADFORD, JEFFREY ET AL. "Efficient Synchronization for Multithreaded Processors." <i>Workshop on Multithreaded Execution, Architecture, and Compilation</i> . Jan-Feb 1998. pp. 1-4	
	AN	PAI, VIJAY ET AL. "An Evaluation of Memory Consistency Models for Shared-Memory Systems with ILP Processors." <i>Proceedings of ASPLOS-VII</i> , Oct. 1996: pp. 12-23, ACM, Inc.	

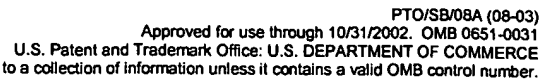
Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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